| <br>ex of Cla |  |
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|               |  |

| Applica | ion/Co | ntrol | Nο |
|---------|--------|-------|----|
| Thhuan  |        |       |    |

10/553,063

Examiner

Date

Shaun R. Hurley

Applicant(s)/Patent under Reexamination

GRASSI ET AL.

Art Unit

3765

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Claim

Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| -        |  |         |          |                               |         |              |              |          |                |          |          |
|----------|--|---------|----------|-------------------------------|---------|--------------|--------------|----------|----------------|----------|----------|
| Cla      | im   | Date    |          |                               |         |              |              |          | -              |          |          |
| Final    | Original                                     | 12/6/07 |          |                               |         |              |              |          |                |          |          |
|          | 1  | 1       |          |                               | Г       |              | T            | ✝        | 1              | $\Box$   |          |
|          | 1<br>2<br>3<br>4                             | 1       |          |                               |         | Τ            | T            | 1        |                | $\sqcap$ |          |
|          | 3  |         |          |                               |         | T            | Τ            | 1        |                |          |          |
|          | 4  | 44      |          |                               |         | Г            | Т            | 1        | Τ              |          |          |
|          | 5  | 7       |          | П                             | $\top$  | Т            | 1            | T        |                |          | İ        |
|          | 6  | 1       | _        |                               | Π       | Τ            | 1            | 1        |                |          |          |
|          | 7  | 7       |          |                               |         | T            | Т            | Τ        | Т              |          |          |
|          | 8  | 1       |          |                               |         |              |              |          |                |          |          |
|          | 9  | 1       |          |                               |         | Г            |              |          | <u> </u>       |          |          |
|          | 10   | 1       |          |                               | П       | Г            |              | $\top$   |                |          |          |
|          | 11   | 1       |          |                               |         |              |              |          |                |          | 1        |
|          | 12   | V       |          |                               | Ĺ       | L            |              | Ĺ        |                | _        | 1        |
|          | 13   | 77777   |          |                               | L       |              | L            | 1        | 1              | 1_       | 1        |
|          | 14   | 1       | L        | <u> </u>                      | ┖       | L            | ┸            | _ _      | _              |          | 1        |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |         | L        | $oldsymbol{oldsymbol{\perp}}$ | $\perp$ | $\perp$      | $\perp$      | 4        |                | 1        | 1        |
| L        | 16   | 1       | _        | ↓_                            | $\bot$  | L            | _            | 4        | _              |          | 1        |
| <u> </u> | 17   | 1       | L        | 丄                             | $\perp$ | ╀            | ┵            | 4-       | _              | ╄        | 1        |
|          | 18   |         | L        | ↓_                            | ┸       | ╀            | 4            | $\perp$  | <del> </del> - | 1-       | 1        |
|          | 19   | V       | ↓        | 丄                             | ╄-      | 4            | 1            | 4        | _              | +-       | 1        |
|          | 20   | 1       | <u> </u> | ļ                             | 1       | 1            | 4            | +        | _              | 1        | 1        |
|          | 20<br>21<br>22                               | 14      | L        | ╄                             | +-      | +            |              | -        | +              | +-       | 1        |
| <u> </u> | 22   | 1       | ├-       | ╁                             | ╀       | ╀            | +            | ┿        |                | +-       | 1        |
|          | 23<br>24<br>25                               | 1       | ├-       | ╀                             | ╁       | +            | +            | +        | +              | ╁╴       | 1        |
| <u> </u> | 24   |         | ├        | +-                            | ╫       | ╁            | ┰            | +        | ┰              | ╁        | ┨        |
|          | 26   | 1       | ╁        | ╁                             | +       | 十            | +            | +        | +              | ╁        | 1        |
| -        | 26<br>27                                     | V       | ╁        | ╁╴                            | +       | ╁            | +            | ╁        | ┽              | +-       | 1        |
|          | 28   | V       | +-       | +                             | ╁       | +            | +            | _        | +              | +-       | 1        |
| $\vdash$ | 29   | i       | ╁        | +-                            | +       | ╁            | 十            | +        | 十              | _        | 1        |
|          | 29<br>30                                     | ₹       | t        | $\top$                        | +       | T            | 十            | ╅        | +              | 1        | 1        |
| -        | 31   | i       | t        | +-                            | ╈       | +            | ╅            | 1        | _              | $\top$   | 1        |
| $\vdash$ | 31<br>32                                     | 1       | T        | †                             | +       | $^{\dagger}$ | $\dagger$    | _        | $\top$         | 1        | 1        |
|          | 33   | 1       | T        | $\top$                        | 1       | 1            | 十            | _        | $\top$         | 1        | 7        |
|          | 34   | 1       | 1        | T                             | 1       | T            | 丁            |          |                | I        | ]        |
|          | 35   | V       | T        | Τ                             |         |              |              |          |                |          |          |
|          | 36   | 1       | Τ        | Ī                             | Τ       | ]            |              | 丁        |                |          | ]        |
|          | 37   | 1       | Γ        |                               | 1       |              |              |          |                | Ι        | ]        |
|          | 38   | 1       | L        | Ι                             | I       | Ι            |              |          |                | $\perp$  |          |
|          | 39   | 1       |          | I                             |         |              | $\perp$      | $\perp$  | $\perp$        | $\perp$  | 1        |
|          | 40   | 1       |          | L                             |         | $\perp$      | _            | _        | $\perp$        | _        | 1        |
|          | 41   | ٧       | Ĺ        |                               |         | 1            | $\downarrow$ | $\perp$  | $\perp$        | $\perp$  | 4        |
|          | 42   | V       | 1        | 4                             |         | _            |              | _        |                | +        | 4        |
|          | 43   | 1       | 1        | 4                             | 4-      | 4            | $\dashv$     | 4        |                | +        | 4        |
|          | 44   | V       | 4        | $\perp$                       | +       | 4            | +            | -        | +              | +        | 4        |
| <u></u>  | 45   | 1       | $\perp$  | +                             | 4       | +            | +            | $\dashv$ | +              | +-       | 4        |
|          | 46   | +       | +        | +                             | +       | +            | +            | $\dashv$ | +              | -        | $\dashv$ |
| <u> </u> | 47   | +       | +        | +                             | +-      | +            | +            | -        | -              | +-       | $\dashv$ |
| <u> </u> | 48<br>49                                     | +       | +        | +                             | +       | +            | +            | $\dashv$ | +              | +-       | $\dashv$ |
| -        | 50   | +       | +        | +                             | +       | +            | +            | +        | -+             | +        | ┨        |
| 1        | 1 20   | - 1     | 1        | - 1                           |         | - 1          | - 1          | - 1      |                |          |          |

| 0.0          |                      | _        |         |              |   |              | _        |                         | _  | _            |
|--------------|----------------------|----------|---------|--------------|---|--------------|----------|-------------------------|--|--------------|
| Final        | Original             |          |         |              |   |              |          |                         |  |              |
|              | 51                   |          |         | П            |   |              |          |                         | Г  |              |
|              | 51<br>52             | -        | ╁       | ┼            | <del>                                     </del>  | _            |          | _                       | $\vdash$   | П            |
| <del></del>  | 52                   |          | ╁       | -            | +-  | -            | -        | ┢                       | $\vdash$   | $\dashv$     |
| <del> </del> | 53                   | -        | ╁       | <del> </del> | ┼   | ├-           | <u> </u> | ⊢                       | ⊢  | $\vdash$     |
| <u> </u>     | 54<br>55             | ├-       | ⊢       | ₩-           | ₩.  | ├            | ├        | <u> </u>                |  | $\vdash$     |
|              | 55                   | <u> </u> | ╄.      | ـــ          | ļ   | L-           | <u> </u> | _                       | <b>└</b>   | Н            |
|              | 56                   | L        | ┖       | _            | $\perp$   | <u> </u>     |          | _                       | _  | Ш            |
|              | 56<br>57             |          |         | <u> </u>     |   | <u>L</u>     |          |                         |  |              |
|              | 58<br>59             |          | 1       | Ι.           |   |              |          | L.                      |  | <u> </u>     |
|              | 59                   | Г        | Г       | П            |   |              |          |                         |  |              |
|              | 60                   | Π        | T       |              |   |              | Π        | Г                       |  | $\Box$       |
|              | 61                   | ✝        | $\top$  | П            | 1   | Г            |          |                         |  | $\Box$       |
|              | 62                   | T        | 1-      | 1            | $\top$  | T            | T        |                         | $\top$   | $\Box$       |
| <b>-</b>     | 63                   | ╁        | +       | +            | ╅   | $\vdash$     | 1        |                         | 1  | $\Box$       |
| -            | 64                   | ╁╴       | +-      | ╁            | +-  | $\vdash$     | -        | ✝                       | <del>                                     </del> | $\vdash$     |
| -            | 62<br>63<br>64<br>65 | ╁        | ╁       | ╁            | ╁╌  | ╁            | ╁╴       | ╁                       | +-   | $\vdash$     |
|              | 66                   | ╀        | ┿       | +-           | ╁   | +            | ⊢        | $\vdash$                | $\vdash$   | ╁┤           |
| <u> </u>     | 67                   | +-       | ╁       | ╁            | ╁   | ╁            | +-       | ╁                       | ╁╌   | ╁            |
|              | 60                   | ╀        | ╁       | +            | +   | +-           | ╁        | ╁╌                      | +  | +            |
|              | 68<br>69             | ╁╌       | +-      | ╁            | +   | ╁            | -        | +                       | ╁╌   | ┼─           |
|              | 70                   | ╀        | +       | ╁╴           | ╁   | ╁            | -        | ╁                       | +-   | +-           |
| -            | 70<br>71             | +-       | +       | ╀            | ╁   | +-           | +        | ╁╾                      | ╀  | +            |
| <u> </u>     | 71                   | +-       | +-      | +-           | ╀   | +            | +-       | ╁                       | ┼-   | ╁            |
|              | 72                   | -        | ╁       | +            | +-  | +-           | ┿        | ╀                       | ╁┈   | +            |
| <u> </u>     | /3                   | ╀        | +       | ╀            | +-  | ╂-           | ╀        | ╀                       | ╀  | ╂            |
|              | 73<br>74<br>75       | -        | +-      |              | +   | +            | ╁        | +-                      | +  | +-           |
|              | 1/5                  | ╀        | +       | +            | +-  | ╁            | ╁        | ╀                       | +  | ╁            |
| ļ            | 76<br>77             | ╁        | +       |              | +   | ┿            | ╄        | ┿                       | +  | <del>-</del> |
|              | 177                  | ╀-       | 4       | +            | 4   | ┿            | ┼-       | +-                      | ┼  | +-           |
|              | 78                   | $\bot$   | -       | +            | +   | 4            | +        | ╀                       | +  | +            |
|              | 79                   | 4        | _       | 4            | ╄   | ┷            | +        | ╄-                      | 4  | <del> </del> |
|              | 80                   | 1_       | $\perp$ | 4            | $\bot$  | <u> </u>     | ↓_       | 1                       | -  | -            |
|              | 81                   | 丄        | $\perp$ | ↓.           | _   | 1_           | 1        | 1_                      | 4  | _            |
|              | 82                   | L        |         |              | $\perp$   | L            | $\perp$  | ┷                       | ┸  |              |
|              | 83                   |          |         |              |   |              | ļ        | $\perp$                 |  |              |
|              | 84                   |          | $\perp$ |              | $\perp$   | $\perp$      | _        | $\perp$                 |  |              |
|              | 85                   | T        |         |              |   | $oxed{oxed}$ | ╧        | L                       |  | L            |
|              | 86                   |          |         | $\top$       | Т   | Т            |          |                         | Т  | 1            |
|              | 87                   |          | $\top$  | 1            | Τ   | Т            | Τ        | Т                       | Т  | $\Box$       |
|              | 87<br>88             | $\top$   | $\top$  | 7            | Τ   |              | Т        | Т                       | T  |              |
|              | 89                   | 1        | ┰       |              | T   |              | Τ        |                         | Т  |              |
|              | 90                   | 1        | T       |              |   | Т            | Т        |                         | Т  |              |
|              | 91                   | T        |         | T            | T   | Τ            |          | $\top$                  |  | T            |
|              | 92                   | $\top$   | 1       | $\top$       | 丅   |              | Τ        |                         | Τ  |              |
|              | 93                   | $\top$   | 1       | 7            | 丁   | 1            | T        |                         |  | Ι            |
|              | 94                   |          | 1       | 1            | T   | $\top$       |          |                         |  | l            |
|              | 95                   |          | 1       | $\top$       |   |              |          |                         | $oxed{T}$  |              |
|              | 96                   | 1        | ┰       | $\top$       |   |              |          | $\perp$                 | floor  | oxdot        |
|              | 97                   |          | $\neg$  | $\neg$       |   |              |          | $oldsymbol{\mathbb{T}}$ |  |              |
|              | 98                   |          |         |              |   |              | $\perp$  |                         | I  |              |
|              | 99                   |          | ╧       |              | $oldsymbol{ol}}}}}}}}}}}}}} $ | I            | $\perp$  |                         | $\perp$  |              |
|              | 100                  |          | П       |              | T   | T            | T        | Τ                       |  |              |

| Cla         | aim   | n Date         |              |         |          |  |              |                |              |          |
|-------------|---|----------------|--------------|---------|----------|--|--------------|----------------|--------------|----------|
| Final       | Original  |                |              |         |          |  |              |                |              |          |
|             |   |                |              |         | _        | _                                      |              | $\blacksquare$ |              | $\dashv$ |
|             | 101<br>102  |                |              | ├       | -        | ⊢                                      | -            |                | $\dashv$     |          |
|             | 102   |                |              | ├       | ├        | -                                      | <del> </del> | _              | -            | +        |
|             | 103<br>104  |                | _            | -       | $\vdash$ | <del> </del>                           | ├            |                | $\vdash$     | ᅥ        |
|             | 105   | _              | -            | ┢       | -        | ⊢                                      | ┢            | $\vdash$       | $\dashv$     | $\dashv$ |
|             | 106   |                | ┝            | -       | ╁        | -                                      | ╁            |                |              | -        |
|             | 106<br>107  |                | -            | ╁       | 1        | ┢                                      | $\vdash$     | ┢              |              | _        |
|             | 108   |                |              | 1       | 1        |  | ┢            | $\vdash$       |              | ヿ        |
|             | 109   |                |              | Т       | $\top$   |  |              |                |              |          |
|             | 110   | _              | Τ            | 1       |          | 1                                      |              | 1              |              |          |
|             | 111   |                |              |         |          |  |              |                |              |          |
|             | 109<br>110<br>111<br>112<br>113<br>114<br>115                             |                |              |         |          |  |              |                |              |          |
|             | 113   |                |              |         |          |  |              |                |              |          |
|             | 114   |                |              | L       |          |  |              | <u> </u>       |              | Ш        |
|             | 115   |                |              | 丄       | _        | <u> </u>                               | _            | <u> </u>       |              |          |
|             | 116   | L.             | _            | _       | 1_       |  | ļ            | _              | <u> </u>     | Ш        |
|             | 116<br>117<br>118<br>119  | <u> </u>       | <u> </u>     | ╄       | -        | ــــــــــــــــــــــــــــــــــــــ | ╀            | _              | -            | Н        |
|             | 118   | <u> </u>       | 1_           | 4       | -        | 1                                      | ╄            | <b>↓</b>       | ├            |          |
|             | 119   | ├              | <b>├</b>     | +-      | ╁        | ╀                                      | ╁            | ┼              | ┝            | -        |
|             | 120   | ├              | ┼            | ╁       | +-       | ╄                                      | ┼            | ╀              | <del> </del> | -        |
| ļ           | 121   | -              | ┢            | +       | ╁        | ╀                                      | +            | +-             | ╁            | -        |
| <u> </u>    | 122   | ╁              | ╁╌           | ╫       | ╀        | ╁                                      | ╁            | +-             | $\vdash$     |          |
| <u> </u>    | 123   | ╁╌             | ╀            | +-      | ╁        | ╁╴                                     | ╁            | ╁              | ╁            | H        |
| -           | 124   | <del> </del> − | ╂╌           | +       | +        | +                                      | +-           | +              | ╁╌           | $\vdash$ |
|             | 125   | $\vdash$       | ╁            | +-      | ╁        | ╁                                      | ╁┈           | ╁              | ╁            | $\vdash$ |
| <del></del> | 127   | ╁┈             | ╁            | ╁       | ╁┈       | +                                      | ╁╌           | $\vdash$       | ╁            | $\vdash$ |
|             | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | +              | 1-           | ╁       | +        | ╈                                      | +            | ╁              | $\vdash$     | _        |
|             | 129   | ╁              | +            | +       | +        | +-                                     | ╁            | T              |              | T        |
| ļ           | 130   | +              | 十            | ╅       | +        | +                                      | T            | +-             | T            | $t^-$    |
| <b>—</b> —  | 131<br>132<br>133   | 1              | 1            | 十       | 1        | ╁                                      | +-           | T              | 1            | Т        |
|             | 132   | 1-             | T            | 1       | 1        | $\top$                                 | $\top$       |                | 1            | $\Box$   |
|             | 133   | 1              | ✝            | 1       | 1        | 1                                      | Τ            | 1              |              |          |
|             | 134<br>135  | Ĺ              | $\mathbf{L}$ | I       |          | I                                      | $oxed{\Box}$ |                |              |          |
|             | 135   |                | I            | $\perp$ |          |  |              | L              | _            | <u> </u> |
|             | 136   |                |              |         |          | L                                      | ┸            | ↓              | ↓_           | _        |
|             | 137<br>138  | ↓_             | 1_           | _       |          | 1                                      | ļ            | ┸              | 1_           | ╙        |
|             | 138   | 1              | 4_           | 4       | _        | _                                      | 1_           | 1              | ↓_           | ╄        |
|             | 139<br>140  | ļ              | 4            | +       | $\bot$   | 4                                      | ┵            | +-             | ╄            | ╄-       |
| <u></u>     |   | +-             | +            | +       | +        | +                                      |              | +              | ╁            | $\vdash$ |
| -           | 141   | +-             | +            | +       |          | +                                      | +            | +              | +-           | +        |
| -           | 142   | +              | +            | - -     |          | ╁                                      | +            | +              | +            | +        |
| -           | 143   | +              | +            | +       | +        | ┿                                      | +-           | +              | +            | +        |
| $\vdash$    | 144   |                | +            | +       | +        | +-                                     | +            | +-             | +            | +        |
| <u> </u>    | 145   |                | +            | +       | +        | +                                      | ╁            | ╁              | +            | +-       |
| $\vdash$    | 147   | +-             | +            | +       | +-       | +                                      | 1            | +              | +            | +        |
| -           | 148   |                | ╁            | +-      | ╅        | +-                                     | +            | +-             | ╁            | †        |
|             | 149   |                | +            | +       |          | 十                                      | $\top$       | ┰              | $\top$       | $\top$   |
|             | 150   |                | †            | 1       | $\top$   | ┪                                      | $\top$       | 十              | 1            |          |
|             |   |                |              |         |          |  |              |                |              | -        |